

Land Warrior (LW)



MISSION

Provide significant improvement in soldier lethality, survivability, battle command, mobility, sustainment, and training/mission rehearsal.

DESCRIPTION AND SPECIFICATIONS

The Land Warrior (LW) is a first-generation, modular, integrated fighting system for dismounted combat soldiers that incorporates an assortment of systems, components, and technologies into a lethal, survivable soldier system.

LW systems/components include:

- Modular weapon system with thermal weapon sight (TWS), laser rangefinder, digital compass, laser aiming light, daylight video sight, and close combat optic;
- Integrated headgear with helmet mounted display, TWS sight picture, and image intensifier;
- Enhancements to protective clothing and individual equipment; and
- Integrated individual soldier computer/radio.

LW science and technology advanced components include integrated sight, combat ID, enhanced radio, and voice recognition. The system's approach will optimize and integrate these capabilities, without adding to the soldier's combat load.

The integrated squad and soldier radios and the Global Positioning System (GPS) within the computer/radio subsystem (CRS) provide digital command and control and situational awareness capability previously unavailable to the combat soldier. The GPS provides the soldier's location to the computer, integrates the soldier's position with location reports from other soldiers, and displays the information on a digital map on his helmet-mounted display. The radios of the CRS, controlled by the computer, provide both digital and voice capabilities to the dismounted soldier. The soldier radio is provided to all Land Warriors; the leader radio is provided to team leaders and above. The leader radio is Single Channel Ground and Airborne Radio System (SINCGARS)-compatible while the soldier radio is not. LW is designed to be fully compatible on the digitized battlefield.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

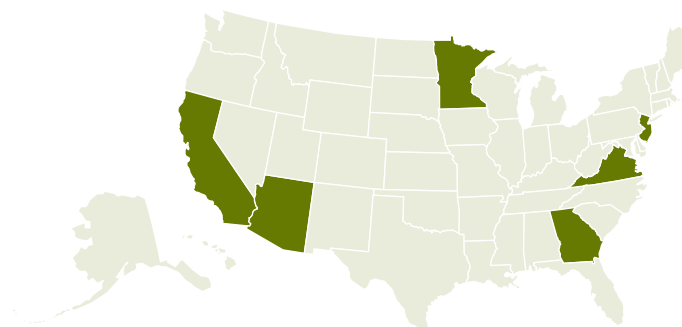
- 2QFY99 New commercial off-the-shelf/government off-the-shelf technology inserted in LW program.
- 3QFY99 First hybrid prototype system (V0.4) w/VIA computer delivered.
- 4QFY99 Version 0.5 w/PC104 computer delivered.
- 2QFY00 JCF AWE system (V0.6) delivered for initial testing.
- 3QFY00 JCF AWE system (V0.6) delivered to Ft. Bragg for unit training.
- 4QFY00 LW Platoon successfully participated in JCF AWE at Ft. Polk.

PROJECTED ACTIVITIES

- 2QFY01 Award V1.0 development contract.
- 3QFY01 Contractor testing begins on V1.0 systems.
- 4QFY01 1st group of V1.0 systems delivered to the government; Developmental testing starts.
- 1QFY02 Initial operational test and evaluation begins.
- 3QFY03 Milestone III full production decision for 34,000+ systems.
- FY04 First unit equipped.
- FY07 Achieve initial operational capability.

PRIME CONTRACTORS

Exponent (Menlo Park, CA); Computer Science Corp (Eatontown, NJ); Pacific Consultants (San Jose, CA); PEMSTAR (Rochester, MN); Omega Training Group (Columbus, GA)



* See appendix for list of subcontractors

